

What is claimed is:

1. An authentication information processing method comprising:
  - 5     acquiring apparatus information of a user apparatus requesting a log-in;  
          determining a log-in procedure to be applied to the user apparatus on the basis of the apparatus information;
  - 10    accepting a log-in operation from the user apparatus; and  
          judging, based on the determined log-in procedure and on the accepted log-in operation, whether the log-in from the user apparatus is permitted or not.
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2. An authentication information processing method according to Claim 1, further comprising storing an accumulated log-in count from the user apparatus with the log-in count related to the apparatus information, wherein in determining the log-in procedure, the log-in procedure is determined in accordance with the accumulated log-in count.
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- 25    3. An authentication information processing method according to Claim 1, further comprising storing a last log-in time from the user apparatus with the last log-in time related to the apparatus

information, wherein in determining the log-in procedure the log-in procedure is determined in accordance with a period elapsed since the last log-in time.

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4. An authentication information processing method according to Claim 3, further comprising determining a security level for the user apparatus by referring to any one of the apparatus information, 10 the accumulated log-in count and the elapsed period, wherein in determining the log-in procedure the log-in procedure is determined in accordance with the security level.

15 5. An authentication information processing device comprising:

apparatus information acquiring module acquiring apparatus information of a user apparatus requesting a log-in;

20 log-in procedure determining module determining a log-in procedure to be applied to the user apparatus on the basis of the apparatus information;

log-in accepting module accepting a log-in operation from the user apparatus; and

25 log-in judging module judging, based on the determined log-in procedure and on the accepted log-in operation, whether the log-in from the user

apparatus is permitted or not.

6. An authentication information processing device according to Claim 5, further comprising  
5 accumulated log-in count storing module storing an accumulated log-in count from the user apparatus with the accumulated log-in count related to the apparatus information, wherein the log-in judging module determines to the log-in procedure in accordance with  
10 the accumulated log-in count.

7. An authentication information processing device according to Claim 5, further comprising last log-in time storing module storing a last log-in time to be applied to the user apparatus with the last log-in time related to the apparatus information, wherein the log-in procedure judging module determines the log-in procedure in accordance with a period elapsed since the last log-in time.  
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8. An authentication information processing device according to Claim 7, further comprising security level determining module determining a security level for the user apparatus by referring to  
25 any one of the apparatus information, the accumulated log-in count and the elapsed period, wherein the log-in procedure determining means determines the log-in

procedure in accordance with the security level.

9. A storage medium that stored an authentication information processing program making 5 a computer process authentication information, the program comprising:  
acquiring apparatus information of a user apparatus requesting a log-in;  
determining a log-in procedure to be applied to the 10 user apparatus on the basis of the apparatus information;  
accepting a log-in operation from the user apparatus; and  
judging, based on the determined log-in procedure 15 and on the accepted log-in operation, whether the log-in from the user apparatus is permitted or not.

10. A storage medium that stored an authentication information processing program 20 according to Claim 9, further comprising storing an accumulated log-in count from the user apparatus with the accumulated log-in count related to the apparatus information, wherein in determining the log-in procedure the log-in procedure is determined in 25 accordance with the accumulated log-in count.

11. A storage medium that stored an

authentication information processing program  
according to Claim 9, further comprising storing a  
last log-in time from the user apparatus with the  
last log-in time related to the apparatus information,  
5 wherein in determining the log-in procedure the log-  
in procedure is determined in accordance with a  
period elapsed since the last log-in time.

12. A storage medium that stored an  
10 authentication information processing program  
according to Claim 11, further comprising determining  
a security level for the user apparatus by referring  
to any one of the apparatus information, the  
accumulated log-in count and the elapsed period,  
15 wherein in determining the log-in procedure a  
security level is determined by referring to the  
security level.